Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/15/2019 09:41 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123452	-2	1.41	123519	1.42
Blue	F	SSC	125000	124821	-1	1.50	125620	1.49
Blue	E	FITC	16433	16158	-2	2.61	353	19.39
Blue	D	PE	27595	27403	-1	1.82	598	14.05
Blue	B	PerCP-Cy5-5	43183	43083	-1	3.48	1160	19.44
Blue	A	PE-Cy7	31943	31527	-2	5.93	602	38.90
Red	C	APC	42819	42317	-2	2.37	1494	11.95
Red	A	APC-Cy7	31261	30192	-4	2.27	801	11.59
Violet	B	V450	6527	6279	-4	4.42	351	12.89
Violet	A	V500	24533	23846	-3	4.27	555	10.46

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17723	7.50	606	6	N/A	N/A	Pass
Blue	F	SSC	56850	1.06	550	2	N/A	N/A	Pass
Blue	E	FITC	65	60.65	537	-2	0.0212	103	Pass
Blue	D	PE	125	47.65	534	0	0.1832	280	Pass
Blue	B	PerCP-Cy5-5	214	47.36	644	2	0.0099	51	Pass
Blue	A	PE-Cy7	111	96.86	690	1	0.0121	16	Pass
Red	C	APC	356	24.55	579	-4	0.0249	111	Pass
Red	A	APC-Cy7	177	27.68	558	-5	0.0059	842	Pass
Violet	B	V450	54	57.22	451	-4	0.0541	1971	Pass
Violet	A	V500	83	32.38	463	-4	0.0232	600	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.70	-32.35	0.96
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	16.07	13.60 - 20.40	N/A	N/A	30.12	30.40	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 11548

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments